

Application No. 10/723,658
Response to Final Office Action

Customer No. 01933

Listing of Claims:

1. (Previously Presented) A jaw crusher comprising:
a fixed jaw;

a swing jaw which swings relative to the fixed jaw;

a reaction force receiver mechanism comprising: (i) a toggle

5 plate that is angled upward toward the swing jaw and includes a first end that contacts the swing jaw, and (ii) a toggle plate support member that contacts a second end of the toggle plate;
and

10 a toggle plate holder mechanism which holds the toggle plate between the swing jaw and the toggle plate support member, and which comprises: (i) a link member rotatably coupled to the swing jaw, and (ii) a biasing portion, which biases the swing jaw and the toggle plate support member to the toggle plate, and which is coupled to the toggle plate support member;

15 wherein the reaction force receiver mechanism comprises an outlet clearance adjustment mechanism which moves the swing jaw with respect to the fixed jaw to adjust an outlet clearance between the jaws by adjusting a position of the toggle plate support member and the toggle plate.

Claim 2 (Canceled).

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3. (Previously Presented) The jaw crusher according to claim 1, wherein the link member comprises a tension link including a first end coupled to the swing jaw, and the toggle plate holder mechanism further comprises:

5 a tension lever supporting a second end of the tension link;

a tension rod having an end attached to the tension lever;
and

10 a tension spring which biases the tension rod in an axial direction of the tension rod, said biasing portion comprising the tension spring;

wherein swing centers at two sides of the tension link are positioned near swing centers at two sides of the toggle plate.

Claim 4 (Canceled).

5. (Withdrawn) The jaw crusher according to claim 1, wherein the link member comprises a tension link including a first end coupled to the swing jaw, and the toggle plate holder mechanism further comprises:

5 a tension lever supporting a second end of the tension link;

a tension rod having an end attached to the tension lever;
and

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10 a tension spring which biases the tension rod in an axial direction of the tension rod, said biasing portion comprising the tension spring;

wherein swing centers at two sides of the tension link are located at same positions as swing centers at two sides of the toggle plate, when viewed in profile.

Claim 6 (Canceled).

7. (Previously Presented) The jaw crusher according to claim 3, wherein the tension link has a concave shape in profile, and notches are formed in the toggle plate at respective positions corresponding to the swing centers at the two sides of the tension link.

Claim 8 (Canceled).

9. (Withdrawn) The jaw crusher according to claim 5, wherein the tension link has a concave shape in profile, and notches are formed in the toggle plate at respective positions corresponding to the swing centers at the two sides of the tension link.

Claim 10 (Canceled).

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11. (Previously Presented) The jaw crusher according to claim 3, wherein the toggle plate is divided into a plurality of pieces such that at least one of the pieces is provided on each side of the tension link.

Claim 12 (Canceled).

13. (Withdrawn) The jaw crusher according to claim 5, wherein the toggle plate is divided into a plurality of pieces such that at least one of the pieces is provided on each side of the tension link.

Claim 14 (Canceled).

15. (Original) A self-propelled crushing machine on which the jaw crusher according to claim 1 is mounted.

Claims 16-18 (Canceled).